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**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Eric Wen Su and Jian-Jun Wei )  
 For : hOB-BP2h COMPOSITIONS, METHODS )  
 AND USES THEREOF )  
 Docket No. : X-12652 )

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
 Washington, D. C. 20231  
 Sir:

**In the Claims**

Please cancel claims 1-21 and add the following new claims 22-31.

<sup>30</sup>  
~~22.~~ An isolated hOB-BP2h nucleic acid comprising an hOB-BP2h polynucleotide encoding at least 90-100% of the contiguous amino acids as shown in SEQ ID NO:3.

<sup>31</sup>  
~~23.~~ An isolated hOB-BP2h nucleic acid comprising the complementary sequence of the nucleic acid of Claim ~~22.~~<sup>30</sup>

<sup>32</sup>  
~~24.~~ A recombinant vector comprising at least one nucleic acid according to Claim ~~22.~~<sup>30</sup>

<sup>33</sup>  
~~25.~~ A host cell comprising at least one recombinant vector according to Claim ~~24.~~<sup>32</sup>

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26. An isolated hOB-BP2h polypeptide comprising at least 90-100% of the contiguous amino acids as shown in SEQ ID NO:3.

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27. The polypeptide of Claim 26 further comprising at least one mutation corresponding to at least one substitution, insertion or deletion selected from the group consisting of 3P, 4L, 8P, 9L, 11W, 15L, 16Q, 17E, 18K, 19P, 20V, 21Y, 22E, 23L, 24Q, 27K, 30T, 32Q, 37V, 38L, 47W, 48R, 49S, 51Y, 52S, 54P, 56L, 58V, 70A, 71E, 72V, 77N, 78P, 79D, 81R, 83K, 84P, 85E, 87Q, 91R, 93L, 96V, 97Q, 99K, 104S, 106G, 109R, 111E, 113T, 114G, 115S, 124R, 125D, 127K, 129S, 130Y, 131Q, 132Q, 133N, 134K, 135L, 136N, 138E, 141V, 143S, 143I, 144F, 144E, 145T, 210N, and 252A of SEQ ID NO:3.

36  
28. An isolated hOB-BP2h nucleic acid molecule comprising a polynucleotide having a nucleotide sequence at least 90% identical to a sequence selected from the group consisting of:

(a) a nucleotide sequence encoding a polypeptide comprising a portion of SEQ ID NO:3, wherein said portion lacks from 30 to 50 amino acids from the amino terminus of said complete amino acid sequence as in SEQ ID NO:3;

(b) a nucleotide sequence encoding a polypeptide comprising a portion of amino acid sequence of SEQ ID NO:3 wherein said portion lacks from 131 to 171 amino acids from the carboxy-terminus of said complete amino acid sequence as in SEQ ID NO:3; and

c) a nucleotide sequence encoding a polypeptide comprising a portion of the amino acid sequence of SEQ ID NO:3 wherein said portion includes a combination of any of the amino terminal and carboxy terminal deletions according to (a) and (b), above.

31. The polypeptide of Claim 30 in which the heterologous polypeptide is a constant region of an immunoglobulin.